

FOLIO

University of Alberta

12 February 1987

Poet Adds Voice to African Meet on Campus

Nigerian poet Niyi Osundare joins a growing list of distinguished Third World guest speakers coming to campus this spring, for the annual conference of the Canadian Association of African Studies (CAAS 87).

His latest book of poems is called *The Eye of the Earth*, and is dedicated "to all who struggle to see it neither wastes nor wants."

"The western Nigerian rain forests . . . are no more," he says, describing their destruction as a squandering of Earth's resources comparable to nuclear Armageddon in Europe.

Osundare is the latest winner of the Commonwealth Poet of the Year Award.

The CAAS 87 conference (May 7, 8 and 9) will examine Africa from three perspectives: crises, culture and development. Guest speakers include Gen. Olusegun Obasanjo, former military head of Nigeria, Dame Nita Barrow, representing Barbados at the United Nations, and Ali Mazrui, of the PBS series "The Africans."

The mask, at right, comes from Benin (Nigeria's next-west neighbor) and has been selected as CAAS 87's official logo. □



Institute for Stuttering Treatment and Research Opens

A generous donation from the Elks Association of Alberta and the national Elks Purple Cross Fund has made possible the establishment of the Institute for Stuttering Treatment and Research. The Institute, located in the Noble Building, 8540 109 Street, was officially opened on 6 February.

Einer Boberg (Speech Pathology and Audiology) will direct the Institute. Dr. Boberg has many years' experience in helping stutterers overcome their affliction. In 1971, he opened a clinic on campus for the purpose of treating children and adults who stutter. The clinic, a forerunner to the Institute, subsequently received upwards of 500 people from across Canada.

"Stuttering," Dr. Boberg says, "is a widespread phenomenon (he estimates that more than 10,000 people in Alberta stutter) which is agonizing to the individual and those around him."

First in Canada

He says that the Institute will be the first of its kind in Canada and adds that the former clinic has become international in scope as it has accepted clients from the U.S. and Denmark.

The clinic also began offering advanced professional training to speech pathologists from other centres. For instance, last summer, nine therapists from other provinces, England and Germany came to Edmonton for advanced training in therapy methods which were developed at the University. So far, five U.S. therapists have applied to come this summer.

The Institute is unusual in that it has received no direct funding from the University or government. The provincial Elks Association is giving an annual operating grant of \$30,000 per year and the national association has provided \$25,000 for equipment. This funding has allowed the Institute to rent 3,800 square feet of space and purchase necessary equipment. Other operating funds for salaries and supplies will be derived from the clinical services offered on a fee-for-service basis. The Institute has been registered as a non-profit Society under the Alberta Corporate Registry. □

The Board in Brief

The most recent open meeting of the Board of Governors was held on Friday, 6 February, in the Council Chamber of the Faculté Saint-Jean. After the meeting, Dean Bour and his colleagues escorted members on a tour of the Faculté.

● The Board approved the proposed "Operating Budget Principles and Policies, 1987-88".

● Tenant association dues were approved for the student residences for 1986-87. The residences are fully occupied for the first time in several years.

● The President reported an increase of 834 students over 31

January 1986. This represents a 3.5 percent increase.

● The funds gained from the University's five percent share in the profits accruing from the sale of *The Canadian Encyclopedia* stand at c. \$110,000. These funds will be used to assist the Library's purchase of materials.

● The Churchill Foundation Scholarships (tenable at Churchill College, Cambridge) will now be open for an annual competition. This is due to the generosity of the Churchill Foundation in providing an endowment to the University which is to be matched by the provincial government. □

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Brazilian Project Extended

In 1981, Doris Badir, then Dean of Home Economics, visited the Brazilian city of Fortaleza to assess the feasibility of a three-part project in a slum area of the city. She then submitted a proposal to CIDA which was accepted and the Fortaleza project has been going strong ever since.

Professor Badir, who recently returned from Fortaleza, has been notified by CIDA that it has extended the child care portion of the program and is providing funds for another year. The child care centre project for this year involves teaching students how to improve the current centre and develop it so that it meets the needs of the community. Professor Badir explains that the child care centre is overcrowded and has little leadership direction. The objective will be to establish a child care centre which is appropriate for the area. For instance, expensive toys are not necessary for this particular type of centre and students will be taught how to make their own toys.

The child care project is but one part of the program which also

includes community development workshops (where community members are shown how to help themselves) and the development of cottage industries (while Professor Badir was in Fortaleza the first female-run garment manufacturing shop was opened).

Professor Badir has been working with members of the Home Economics department at the Federal University of Ceara in Fortaleza. Faculty from the university contacted the Canadian

Home Economics Association to see if anyone would be interested in a twinning project with them. The university project involved a slum, with a population of 10,000, which is located on the edge of their campus. The twinning project involved assistance in a) setting up a child care program so that mothers could go out to work and b) training the mothers for work. Both objectives have been met and additional projects are being eyed. □

Populace Favors Increased Government Funding for Post-Secondary Education

Almost 70 percent of all Canadians favor increased government funding for post-secondary education according to a Gallup poll released in December. Support for increased funding was highest in British Columbia and Quebec, where 72 percent of the population favored more funds for colleges and universities. The low was in

the Prairie provinces, where just 61 percent said universities and colleges should get more money. Support for more funding for elementary and high schools, on the other hand, was lowest in Quebec.* □

* From "notes from aucc," Number 87-01.

Extension to Host Public Forum on Canadian Broadcasting

The Canadian Association for Adult Education (CAAE) plans to examine the future of Canadian broadcasting.

Public forums will be held in 11 cities across Canada. The Edmonton forum, which will be co-sponsored by the Faculty of Extension, will take place on 9 March (7:30 p.m., 2-115 Education North).

Confirmed panelists as of 6 February are: Gerald Caplan, co-chairman of the Caplan-Sauvageau Task Force on Broadcasting Policy; Fil Fraser, Edmonton broadcaster and writer; Linda Sherwood, legal counsel for ACCESS Alberta (moderator); and Clint Forster, President, Canadian Cable Television Association.

Two other panelists, including a senior spokesperson for CBC, are expected to participate in the forum.

Denis Haughey, Director of Liberal Studies, Faculty of Extension, is hopeful that the forum will spark debate on the recommendations of the Caplan-Sauvageau report about broadcasting directions and policy. "The public is strongly urged to attend and communicate their views to the panelists," he says.

Additional details on the forum will be published in *Folio* later this month. □

University Orientation Days a Preview of the Genuine Article

On 19 and 20 February, the Registrar's Office is once again coordinating University Orientation Days. This event gives prospective students an opportunity to gain a glimpse of what it would be like to study a particular subject or group of subjects at our University. Most importantly, however, it shows high school students a myriad of options they might not know about.

The two-day event attracts between 7,000 and 9,000 people each year and consists of 50 different lecture-style presentations on a variety of subjects, displays and tours of the campus and of the residence facilities. In addition to the activities planned for students, there are also sessions specifically designed for parents and counsellors.

We hope UOD will be an even bigger success this year, and we thank all the Faculties and participating departments for their continued support.* □

* Reprinted from *Rumor*, Issue No. 25.

How to Kill a University

"It will take a long time to break the mentality as to what a good university means. We are conservative. Many of the people in government don't understand the concept of a first-class university. The concept many of them have is of a teachers college, not a university. Rob the university of research, and it is no longer a university. A university is a university because of research. A graduate program is research. you take away the graduate program, it is no longer a university. The emphasis is quality. And quality is expensive." (Dean F.S. Chia, Graduate Studies and Research, excerpted from *GSA Current*, the University's grad student bi-monthly. By permission.) □

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Office of Public Affairs
423 Athabasca Hall
University of Alberta
Edmonton, Alberta T6G 2E8
(403) 432-2325.

All enquiries and
correspondence should be
directed to:
Ron Thomas
Editor

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University
of
Alberta

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Notices of coming events: 9 a.m. three weeks in advance of desired publication date.
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Attention Western Canadian History Buffs

The University of Alberta Archives received \$8,125 from the Public Archives of Canada to assist in reducing its backlog of historical records which require arrangement and description.

At the University Archives, attention will be focused on the William Pearce Papers. These important papers were purchased by the University from the Pearce family in 1955. William Pearce was involved in all aspects of settlement in Western Canada from 1884, when he was posted to Calgary by the Department of the Interior, until his death in 1930. As Chief Inspector of Surveys he had authority over lands from the Manitoba/Ontario border to the summit of the Rocky Mountains, and from the 49th Parallel to the Arctic Ocean. Correspondence and reports on ranching, irrigation, land surveys, railway policy, homesteading, and the statistics relating to all these areas, are contained in his papers. The completion of this work and the publication of a complete guide to the papers during 1987 will provide researchers with a wealth of documentation concerning

Western Canadian history, information which has not been easily accessible from the preliminary file inventories which were the only means of locating specific topics.

The funding has been allocated under a cost-shared program designed by the Canadian Council of Archives and supported by the various levels of government and by individual archives. The Council

was formed in 1985 by the federal and provincial ministers responsible for archives. Through the development of an effective Canadian archival system, the Council coordinates resources and efforts to ensure the preservation and availability of our documentary heritage. The Council's membership is drawn from representatives of provincial and territorial archives councils, which

in turn respond to the needs of archives in their respective jurisdictions.

The backlog reduction program provides for the preliminary organization and description of hitherto neglected records, photographs, maps, architectural drawings and other archival materials. The program is regarded as a major step in the development of a Canadian archival system. □

Letter Perfect

Two versions of a letter written on a standard Macintosh computer by W.A. Davis of Computing Science. On the right, his message in English. On the left, created from a set of 17 fonts containing 3,755 characters, the same message, in Chinese. "A cheaper method of creating a good quality Chinese text doesn't currently exist," says Dr. Davis, who printed both versions out on a Laserwriter printer. His method uses standard hardware, and can also work alongside standard software. □

亲爱的中国朋友们：

你们好！

中国的传统佳节即将到来，我在大西洋彼岸祝你们大家春节愉快，万事如意！

作为一个朋友，我是这样高兴地在这特殊的时候向你们祝贺，同时感谢大家曾给予的帮助和支持。过去的一年是繁忙和紧张的一年，我希望新的一年将不是这样。我计划今年在适当的时候再次访问中国。我盼望着这一天的到来，盼望着再次见到你们，共叙友情。

万事如意！

你们的朋友

戴维斯博士

一九八七年一月十二日

Dear Chinese Friends:

Hello:

Now that the traditional Chinese Spring Festival is coming, I wish you the happiest holiday from here, the other side of the ocean.

At this special time, and as a friend, I am very delighted to send you my warm wishes and thank you for your help and support.

Last year I was very busy and I hope that the new year will not be as bad. I am planning to visit China again this year. If possible at that time I look forward to seeing you and visiting you again to strengthen our friendship.

With best wishes.

Your friend,

Dr. W.A. Davis

12 January 1987

Picard Appointed to Court of Queen's Bench

In December, Ellen I. Picard was appointed to the Court of Queen's Bench of Alberta.

Professor Picard graduated from the University of Alberta's LLB program in 1967, and the LLM program in 1980. She has been a member of the Faculty of Law since 1972, teaching in the areas of contracts, torts, advocacy, legal process and medicine and the law.

Professor Picard has written extensively on health law and the legal liability of doctors and hospitals.

She established the Health Law Institute at the Faculty, which will now be supervised by Gerald Robertson. □



Ellen Picard

Count Yourself Lucky, With a Coach Like Liu

Andy Liu coaches a team of calculating young Canadians—by mail.

Dr. Liu, Associate Professor of Mathematics, coaches high school hopefuls for the International Mathematical Olympiad, scheduled this July in Havana.

Three of this elite group of high school students, Mike Moser, Chris Nichols and Graham Denham, are from the Greater Edmonton area. For them, a major step towards one of the six berths on the Canadian national team is a good performance in the upcoming Canadian Mathematical Olympiad, to be written 1 April.

The international mathematical event has been going since 1959. Canada entered in a blaze of glory in 1981, under the leadership of the late Geoff Butler, also of this University's Mathematics Department. That year, Canada came seventh in a field of 27 countries.

Since then, it's been an up and down ride. At Budapest in 1982, 17th place. In Paris (1983), 14th. In Prague (1984), 20th. In Helsinki (1985), tied for 12th place. Last year, in Warsaw, we placed 16th.

Next year, the math olympiad goes down under, pitting Canada against its friendly rival Australia.

(Canada was up 3-0 at one point in this unofficial series, now tied 3-3.) "The political leadership in Australia no doubt has an impact," says Dr. Liu, drawing attention to a congratulatory telegram sent by the Australian prime minister when his national team flew back from Warsaw with their 15th place finish. On that Australian team was 10-year-old Terrance Tao, the youngest student in the competition.

"It's a young person's game," comments Dr. Liu. "Unlike language arts where maturity is a definite plus, a mathematical career starts at an early age." □

Learning Disabled Students at the University of Alberta

The following article was written by Lillian Whyte, Professor of Educational Psychology, and Marion Nicely, Coordinator of Services for Disabled Students, University of Alberta.

No longer is it appropriate to ask whether learning disabled students should enter the University of Alberta; they are here. Interest in this population over the past 15 years has resulted in many studies of their progress within post-secondary institutions. For example, Lehtinen and Dumas, 1976, reported that of 19 adults who were learning disabled as children, 48 percent entered college or university and 38 percent of these graduated. In a 1981 study, Fafard and Haubrich concluded that 19 percent of adults treated for learning disabilities as children later entered college. While estimates vary, it is clear, from these and many similar studies, that learning disabled students make it to and through post-secondary educational programs.

There is also a growing body of evidence that a support system is needed for many learning disabled college/university students to succeed. In a 1986 survey of the Association of Universities and Colleges of Canada, it is stated that universities and colleges in each of the 10 provinces are providing support services. For example, in Ontario 16 post-secondary institutions reported provision of some form of special services to learning disabled students on their campuses. The Disabled Students Services Office of the University of Alberta has, for a number of years, offered some assistance to learning disabled students who have identified themselves. However, the need for a more comprehensive program has been evident and the opportunity to assess program effectiveness through a strong research base is deemed essential. Consequently, a Pilot Project for Learning Disabled Students here has been designed. The objectives of the project are to maximize the learning capabilities of the students it assists through learning strategies instruction, to attend to their psycho-social development needs, and to document the findings of the two-year program.

Alberta Manpower provided funding to implement and evaluate this project. Its major components are: 1) a developmental course to

teach learning strategies, 2) a counselling component for assessment and social/personal needs counselling, 3) tutorial assistance, 4) computer-assisted instruction access, and 5) volunteer assistance in the form of note takers, readers, and exam writers.

The project is administered out of the Disabled Student Services Office, Office of the Dean of Student Services.

The responsibility for its conception and development is shared between that Office and the Department of Educational Psychology professor who co-authored this article. A steering committee with representation from the University and the community is assisting in monitoring the program. Two staff members are being employed on a part-time basis for the duration of the project to implement the program components. The project will take up to a maximum of 25 students.

Definition and Description of Learning Disabled Adults

Learning disabilities have been defined in various ways, but in 1979, the University of Alberta Senate's "Report of the Task Force on Children and Others with Learning Disabilities" used the following definition:

Children, youths and adults with learning disabilities are those who manifest a significant discrepancy between their estimated learning potential and actual performance.

This discrepancy is related to basic disorders in the learning processes which may or may not be accompanied by demonstrable central nervous system dysfunction and which are not secondary to sensory loss, mental retardation, primary emotional disturbance or environmental disadvantage.

While learning disabled adults don't fit a single profile, there is a body of characteristics some combination of which can be used to describe an L.D. person. These characteristics are of three types: 1) cognitive, 2) social-interpersonal, and 3) academic. For the purpose of this project, students are diagnosed as learning disabled if they are manifesting both academic difficulties and basic disorders in learning processes. Social and interpersonal problems frequently accompany the learning disability.

The following is a summary of the characteristics of L.D. individuals as offered by the existing literature.

Cognitive Characteristics

1. Reasoning; problems with

- logical reasoning and abstract thinking
- organization of information, i.e., dealing with abstractions, asking questions, posing hypotheses, evaluating information
- non-verbal and spatial temporal reasoning
- slow rate of comprehension

2. Memory; deficits in

- short-term auditory memory, particularly
- ability to code, recode and recall information and to benefit from explicit feedback generally

3. Problem Solving

- few strategies to improve memory or to solve problems generally
- perserverative, disinhibited, and qualitatively different approaches to problem solving

4. Language

- difficulty in phonemic discrimination, particularly when words are lexically unfamiliar and multi-syllabic
- difficulty with sound blending and phonemic segmentation
- immature syntactical patterns and restricted and imprecise vocabulary
- problems with oral formulation and written language
- little variety in sentence structure and overuse of simple sentences

5. General

Cognitive Problems

- poor fund of general information
- poor attention span
- difficulty sequencing events and ideas
- poor ability to distinguish important from unimportant information
- poor ability to organize ideas and information
- poor ability to generalize from one situation to another
- poor ability to switch strategies
- poor ability to spontaneously employ cognitive strategies

Social-Interpersonal Characteristics

- difficulty understanding social cues
- self-concept problems
- difficulty knowing how to join a group and to make and keep

friends and/or withdrawal from social contact because of lack of confidence

- little ability to tolerate tension and experiencing wide swings in mood
- sensitive and easily hurt, and frequently anxious
- undertaking of tasks with the absence of well planned, goal-directed behaviour

Academic Characteristics

Academic deficits may be generalized and present in every area, involving reading, math and written language or specific to a single area, e.g., written language. Academic deficits are the result of the cognitive disabilities.

1. Study Skills

- ineffective study habits
- lack of organization and time management skills
- poor note-taking skills

2. Reading skills

- poor reading comprehension
- reduced reading rate
- incompletely mastered phonics and other work attack skills
- incompletely mastered comprehensive skills, e.g., difficulty with skimming, summarizing, etc.
- reluctance to read

3. Writing skills

- problems with mechanics: punctuation, capitalization, grammar, spelling
- problems with handwriting
- problems with syntax
- difficulty with formulation and organization of ideas
- decreased ability to write under the pressure of time constraints

4. Math skills

- difficulty with calculations and/or problem solving
- incomplete understanding of number concepts and laws

Given the high incidence of cognitive problems and the assumed correlation between the cognitive and academic problems (and given the evidence that learning disabilities don't "go away"), it is obvious that university students have a need for programming at this level, just as they did in earlier school years. However, while the traditional pattern of programming has been to continue remediation in areas of subjects, more recent research indicates that L.D. students have a greater need to acquire strategies for learning. It is hoped that, by

teaching these strategies within the university curriculum content, students will be able to make the transition from schools to post-secondary education (and, eventually, to employment) more easily.

Because the need for support services for learning disabled university students has been recognized, this research (project) will evaluate the effectiveness of two types of support services:

- instruction in the use of learning strategies and ability to generalize or transfer these skills to improve functioning in basic academic subjects
- counselling for the social/personal needs of L. D. students.

There are other factors which have been shown to make a significant contribution to the effectiveness of such support services in influencing student success. These factors primarily involve faculty awareness of the

blems learning disabled students face, their willingness to **modify** instructional methods, and their willingness to let students demonstrate their capabilities in

alternative ways. For example, allowing a student who reverses letters when writing (dysgraphia) take his/her exams orally permits the student to demonstrate mastery of course material without interference from the perceptual disability. Modifications such as these accommodate the specific learning disabilities, but do so without compromising the standards of the course. It is hoped that when (University of Alberta) Faculties and departments are approached about students with learning disabilities, they will consider the implications of alternative methods of learning and means of testing for them.

The L.D. Pilot Project at the University of Alberta is an attempt to recognize and provide for the needs of the learning disabled students attending this University. At the present time it is a research project with the evaluation of its effectiveness as a central aim. The students in the program are very pleased to participate in the project. It is hoped that not only they, but other students who follow, will benefit from the findings of this unique undertaking. □

Ursula Franklin Coming to Campus

Ursula Franklin, Professor of Metallurgy and Materials Science at the University of Toronto, will be a Distinguished Guest Lecturer at the University of Alberta from 22 February to 7 March.

Dr. Franklin obtained her PhD in Experimental Physics from the Technical University Berlin, and continued her studies with post-doctoral research in the Departments of Physics and Metallurgical Engineering at the University of Toronto.

In addition to her appointment in the Department of Metallurgy and Materials Science, Dr. Franklin is an affiliate of the University's Institute for the History and Philosophy of Science and Technology, and a Research Associate of the Royal Ontario Museum. She has pioneered the application of modern materials science techniques to the study of archaeological materials and has published and taught extensively in this field. Dr. Franklin also took part in the development of courses on the social impact of technology for undergraduates in the Faculty of Engineering.

Since 1980, Dr. Franklin has been director of the University of Toronto's Collegium Archaeometricum, an interdisciplinary group of scholars from the university and the Royal Ontario Museum engaged in joint teaching and re-

search in Archaeometry. Supported by a development grant from the Connaught Fund, the Collegium is said to be the only such group in Canada.

In addition to her productive scholarly life, Dr. Franklin, a Quaker by religious affiliation, has participated in many public activities related to peace, international understanding, and the role of women in society. She is an active member of the Voice of Women, a national organization of women whose main focus is against war or the threat of war as the accepted method of exercising power.

Because of her concern about democratic decision making on questions relative to heavy technological components, Dr. Franklin has provided technical advice and background information to many community groups, particularly on subjects such as pollution, radiation and, most recently, the use of aluminum in home wiring. She has written and co-produced radio programs on science, technology and public policy.

Dr. Franklin will be giving four lectures while at the University of Alberta (see "Talks" section for detailed listings). Her visit is sponsored by the Vice-President's (Academic) Advisory Committee on Women's Studies and WISEST, with financial assistance from the Distinguished Visitor's Fund. □

The President's Advisory Committee on Sexual Harassment (PACSH) has a vacancy for one male non-academic staff member.

This candidate would serve as an alternate member of PACSH for a term of office beginning immediately and expiring in June 1989. Alternate membership on PACSH does not require attendance at meetings through the year. Members may, however, serve on panels which assess and investigate sexual harassment cases. Alternate members also assist with the educational campaign. If you are interested in serving on this committee, or if you would like to submit a nomination, please send a brief resume and cover letter by February 20, 1987 to:

Mrs. E.A. Solomon
Coordinator of the Committee
2-5 University Hall

University Aims to Be Highly Receptive Port of Call

Rick Hansen and his Man in Motion campaign will arrive in Edmonton in the first week of March. A noon hour rally at the Universiade Pavilion (date to be announced) will bring the non pareil wheelchair athlete in close contact with the public.

A committee headed by Art Burgess has devised the following schedule of events leading up to Mr. Hansen's arrival.

- 19 and 20 February—Information sessions about spinal cord impairment will take place in conjunction with University Orientation Days. The sessions are organized by the Faculty of Rehabilitation Medicine.
- 25 February—"Wheeling With Rick Hansen". A wheelchair rally organized by Disabled Student

Services and the Circle K Club. Simply get a sponsor and see how much of one afternoon you can spend in a wheelchair.

- 25 February—Wheelchair volleyball game. Fund-raising details to be worked out.
- 27 February—"Dive In Movies." 7:30 to 10 p.m. in the West Pool. Feature film: "Jaws." Admission \$2.
- 2 March—Jock vs. Caps Volleyball Massacre. Football team plays the Faculty of Nursing's elite squad. Fund-raising details to be worked out.

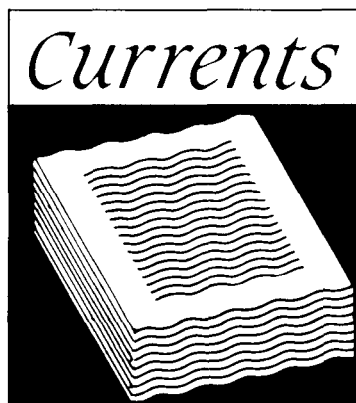
Information concerning Rick Hansen's world tour and his impending visit to the University is being accumulated at "Hansen Headquarters", W-15 Van Vliet Centre, 432-ROLL (7655).

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Continued from page five

Buttons and posters are blossoming on campus and coin cans have been positioned at various high traffic locations.

At the rally in the Pavilion, Rick Hansen will arrive about 12:20 p.m. and circle the floor. Music, balloons and words of praise will help charge the atmosphere. So, too, will your applause. □



Faculty Invited to Seminars at Community College

Grant MacEwan Community College is presenting the following seminars: 1) "Copyright" (18 February, 10:30 a.m. to 3 p.m.); 2) "Principles and Functions of Colorpsychodynamics" (19 February, 9:30 a.m. to 4 p.m.); 3) "VDT Stress Relief Seminar" (19 or 20 February, 10:30 a.m. to noon).

A limited number of University of Alberta faculty can be accommodated in these sessions. For further information and/or registration, telephone Bente Roed Cochran, 432-2826.

Language Courses

The Area Studies Committee is offering non-credit courses in selected languages of Africa and South Asia. There are no fees, but students have to buy the appropriate textbooks. All classes meet in 1-113 Tory Building.

Dial 436-4215 for registration details.

Talks

Family Studies

13 February, 10 a.m. Murray Straus, Director, Family Research Laboratory, University of New Hampshire, "The National Family Violence Study—Data Collection Issues." 769 General Services Building.

Centre for Criminological Research

13 February, 10 a.m. Murray Straus, "Problems of Data Collection and Analysis in Family Violence Research." 769 General Services Building.
14 February, 9 a.m. Dr. Straus, "The Links Between Violence in Society and Families." Followed by panel response. 237 Law Centre.
14 February, 1:30 p.m. "Family Violence: An Alberta Perspective"—a panel presentation including representation by: University of Alberta faculty, Office for the Prevention of Family Violence, Edmonton Committee on Child Abuse and Neglect, Family Studies Department, Edmonton Police Department, Faculty of Social

Welfare—University of Calgary, Alberta Hospitals and Medical Care, RCMP, Positive Action Against Pornography, Alberta Council of Women's Shelters and Edmonton Social Services. 237 Law Centre.

Physics

13 February, 2 p.m. P.L. Taylor, Case Western Reserve University, "Stability and Instability in Crystal Growth." V-121 Physics Building.
27 February, 2 p.m. J. Jung, "Morphology and Stability of the Solid-Fluid Helium Interface." V-121 Physics Building.

Comparative Literature

13 February, 3 p.m. Virginia Henning, "The International Fiction List: A Polysystemic Case Study in Canadian Publishing." 101 Law Centre.

History

13 February, 3:05 p.m. David A. Kales, "Canadian Communism, Trotskyist Tendencies and the New Left: An Institutional and Ideological History." 2-58 Tory Building.

Zoology

13 February, 3:30 p.m. John S. Edwards, Department of Zoology, University of Washington, Seattle, "Evolution of Insect Flight." M-149 Biological Sciences Centre.
27 February, 3:30 p.m. A. Ahmed, "Problems in Sequencing the Human Genome." M-149 Biological Sciences Centre.

Anatomy and Cell Biology

17 February, 4 p.m. Brad Olwin, Post-Doctoral Fellow, Department of Biochemistry, University of Washington, Seattle, "Fibroblast Growth Factor Signal Transduction and FGF Receptor Regulation During Myogenic Differentiation." 6-28 Medical Sciences Building.
24 February, 4 p.m. Daiga Helmeste, Associate Professor, Psychiatry, Clarke Institute of Psychiatry, Toronto, "Unusual Regulation of Brain Serotonin Receptors." 6-28 Medical Sciences Building.

Comparative Literature and English

23 February, 11 a.m. Patricia Merivale, English Department, University of British Columbia, "Framed Voice: Genealogical Elegies of Anne Hébert and Joy Kogawa." 2-15 Humanities Centre.

Political Science

23 February, 3 p.m. James Caporaso, University of Denver, "Theories of Political Economy." 10-4 Tory Building.
24 February, noon. Professor Caporaso, "Labour in the Global Economy." 14-6 Tory Building.

Slavic and East European Studies

23 February, 3 p.m. Erzsébet Tóth, "Dostoevskii's Notes from the Underground at the Gates of Existentialism." 776 General Services Building.

Agricultural Engineering

23 February, 3:30 p.m. Gary M. Hyde, Agricultural Engineering Department, Washington State University, Pullman, "No-Till Fertilizer Placement Studies For Small Grains." E-342 Chemical-Mineral Engineering Building.

24 February, 3:30 p.m. Dr. Hyde, "Potato Planting, Harvesting and Handling Research." E-344 Chemical-Mineral Engineering Building.
26 February, 8 p.m. J.H. Taylor, National Soil Dynamics Laboratory, U.S. Department of Agriculture, Auburn, Alabama, "Controlled Traffic: A Soil Compaction Management Concept." E-344 Chemical-Mineral Engineering Building.
27 February, 1 p.m. Dr. Taylor, "Traffic-Induced Soil Compaction Research Around the World." E-344 Chemical-Mineral Engineering Building.

English

23 February, 4 p.m. Patricia Merivale, Department of English, University of British Columbia, "Handcuffed to History: Salmon Rushdie's *Midnight's Children* and the Pseudo-Historical Novel." 5-20 Humanities Centre.
24 February, 3:30 p.m. Pat Prestwich will discuss *The Bonds of Womanhood* by Nancy Cott. 5-20 Humanities Centre.
26 February, 3:30 p.m. Patricia Demers will discuss *Texts of Terror: Literary-Feminist Readings of Biblical Narratives* by Phyllis Trible. 5-20 Humanities Centre.

Advisory Committee on Women's Studies and WISEST

23 February, 7:30 p.m. Ursula Franklin, University of Toronto (Distinguished Guest Lecturer), "A Feminist Critique of Peace Research." Co-sponsored by UNDO and the Women's Program, Faculty of Extension. L-1 Humanities Centre.
26 February, 7:30 p.m. Dr. Franklin, "Women in Extra-parliamentary Opposition: Reflections on 25 Years of Voice of Women in Canada." Co-sponsored by Edmonton Voice of Women and the Women's Program, Faculty of Extension. L-1 Humanities Centre.
2 March, 4 p.m. Dr. Franklin, "Complexity and Context: Looking Into the Future of Scientific Enquiries." Co-sponsored by WISEST. L-4 Humanities Centre.
5 March, 4 p.m. Dr. Franklin, "Complexity and Context: Looking Into the Future of the Women's Movement." Co-sponsored by WISEST. L-1 Humanities Centre.

Music

24 February, 11 a.m. David Bernstein, Ohio State University, "As Snows Before a Summer Sun." 227 Education Centre.
26 February, 3:30 p.m. Robert Riesel, University of Western Ontario, "Analysis and Brahms' 'Op. 120': The Performer's Point of View." 2-34 Fine Arts Building.

CITL

24 February, 11 a.m. Allen Vander Well, "Identifying and Assisting Students in Crisis." 225 Athabasca Hall.
24 February, 2 p.m. Sharon McGuire, Administrative Studies, Athabasca University, "Making Meetings Work." TB-W2 Tory Breezeway.
25 February, 3 p.m. Hilary Hunt, director of the dance program, Victoria Composite High School, and Brian Nielsen, "Class Management and Instructional Techniques." TB-W2 Tory Breezeway.
26 February, 4 p.m. S. Keith Ward, Academic Dean, The King's College, "Cheating and Plagiarism: Toward Restoring Trust." TB-W2 Tory Breezeway.

Sociology

24 February, noon. Joe Hudson, Faculty of Social Welfare, University of Calgary (Edmonton Division), "Evaluation Models of Financial Restitution and Community Service Work Order Programs." 5-15 Tory Building.

Plant Science

24 February, 4 p.m. D. Guo, "ATP-Dependent Ion Transport in Plant Cell Membranes." 811 General Services Building.
26 February, 4 p.m. R. Horton, "The Role of Winter Carbohydrate Reserves in the Spring Growth of Temperate Grasses." 811 General Services Building.

Forest Science

25 February, noon. Kelly Loch, MSc candidate, "Validation of a Water Yield Prediction Methodology (WRENS) for Southern Canada." 4-1 Mechanical Engineering Building.

Centre for Gerontology

25 February, noon. N. Keating, "Retirement and Farm Transfer." TB-W2 Tory Breezeway.

Computing Science

25 February, 3:30 p.m. Przemyslaw Prusinkiewicz, Department of Computer Science, University of Regina, "Application of L-Systems to the Modelling of (Biological) Plants for Computer Imagery Purposes." 619 General Services Building.

Club IDC (Issues in Developing Countries)

25 February, 3:30 p.m. Fred Judson, "Revolution in Nicaragua." 129 Education South.

Botany

25 February, 4 p.m. Kevin Timoney, "Treeline." M-149 Biological Sciences Building.

Limnology and Fisheries Discussion Group

26 February, 12:30 p.m. Mrinal Das, "Hybridization Between Northern Redbelly Dace (*Phoxinus eos*) and Finescale Dace (*P. neogaeus*) in West Central Alberta." P-319N Biological Sciences Centre.

Soil Science

26 February, 12:30 p.m. Alan Stewart, Senior Oil Conservationist, Alberta Soil and Water Conservation Service, PFRA, "Perspectives on Soil Conservation." 2-36 Earth Sciences Building.

Chemical Engineering

26 February, 3 p.m. Prieur du Plessis, Department of Applied Mathematics, University of Stellenbosch, Stellenbosch, South Africa, "Modelling of Flow in Porous Media." E-342 Chemical-Mineral Engineering Building.

Science, Technology and Society Program

26 February, 3:30 p.m. Pamela Asquith, "Anti-Darwinism in Japan: The Story of a Red Herring." 1-06 Business Building.

Entomology

26 February, 4 p.m. J.L. Haley, "Comparisons of Three *Leptinotarsa* Species." TB-W1 Tory Breezeway.

Finance and Management Science

27 February, 3 p.m. Erhan Erkut, "The Discrete P-Dispersion Problem." 4-16 Business Building.

Canadian Institute of Ukrainian Studies

27 February, 7:30 p.m. Roman Petryshyn, Multicultural Adviser, Grant MacEwan Community College, "Ukrainian Cultural Development in Alberta: A Vision for the Future." Heritage Lounge, Athabasca Hall.

St. Joseph's College

27 February, 8 p.m. Rev. James K. McConica, "The Place of Catholics." 2-115 Education North.

The Arts

Ring House Gallery

Until 15 February. The Eighth Dalhousie Drawing Exhibition—44 works by 11 prominent artists from British Columbia, Alberta, Manitoba and Saskatchewan.

Music

All concerts take place in Convocation Hall.
13 February, 8 p.m. Faculty Recital—Grant Cahoon, flute.
20 February, 7 p.m. Meet the Masters Series—Vocal Masterclass featuring J. Argenta, soprano.
21 February, 5 p.m. Junior Student Recital—Barbara Ritz, piano.
21 February, 8 p.m. Senior Student Recital—Kathleen Neudorf, soprano.
22 February, 3 p.m. Junior Student Recital—Darald Bantel, tenor.
22 February, 8 p.m. Faculty Recital—Kuniko Furuhashi, mezzo-soprano, and Helmut Brauss, piano.
23 February, 5 p.m. Junior Student Recital—Dorothy Leonard, soprano.
26 February, 5 p.m. Junior Student Recital—Brenda Randall, mezzo-soprano.
27 February, 8 p.m. Visiting Artist Series—Joachim Segger, piano.
28 February, 5 p.m. Junior Student Recital—Debby Wiebe, soprano.
28 February, 8 p.m. Senior Student Recital—Elizabeth Laich, piano.

SUB Theatre

13 February, 8 p.m. "Stand By Me."
14 February, 2 and 4 p.m. The Edmonton Symphony Orchestra, Symphony for Kids presents "Fun With Bob." 428-1414.
21 February, 8 p.m. The Friends of CJSR present "John Cale and Chris Spedding."
27 February, 8 p.m. "Jumpin' Jack Flash."

Edmonton Film Society

23 February, 8 p.m. International Series—"Tracks in the Snow" (Pervola) (1985). L-11 Tory Lecture Theatre.

Sports

Hockey

20 February, 7:30 p.m. Bears vs. Regina.
21 February, 7:30 p.m. Bears vs. Regina.

Broadcasts

Radio

CKUA
14 February, 7 p.m. Music at the University of Alberta presents "Music for Film." Guest: Chris Philpott.
21 February, 7 p.m. Music at the University of Alberta presents "Music Opera is Not Grand." Guest: Alfred Strombergs.
28 February, 7 p.m. Music at the University of Alberta presents "What's So Funny About the Bassoon?" Guest: William Harrison.

Surplus Equipment

The equipment appearing in this column is available only to University departments with University-administered funds. For more information, telephone Jody Brookwell or Roy Bennett, 432-3208.

Wanted: (1) Ice Making Machine Andree Koenig, Chemical Engineering, 432-5159.
For sale: AJ510 computer terminal. Gillian Shaw, Biochemistry, 432-2558.

Positions

The University of Alberta is committed to the principle of equal opportunity in employment and encourages applications from all qualified people.

In accordance with Canadian Immigration requirements, these advertisements are directed to Canadian citizens and permanent residents.

Academic

Chief Archivist, University Archives and Collections

Nature of duties: Reporting to the Director, provides an archival information system by planning, developing, and administering an efficient records management program. The Chief Archivist is also responsible for the on-going management of the University Archives by preparing objectives, budgets, and reports, and for ensuring on-going acquisition and appraisal of archival material.
Qualifications: Master's degree in Library Science, History or related academic research disciplines. Diploma in records management or minimum five years in records management/archives practice. Business and communication skills required.
Application deadline: 27 February 1987. Forward application, *curriculum vitae*, and names and addresses of three references to: Director, University Archives and Collections, 1-19 Rutherford South, University of Alberta, Edmonton, Alberta T6G 2J4.

Clinical Veterinarian

A clinical veterinarian is required to provide a complete range of health care services to animals used in research and teaching in the health sciences. Species involved are the common laboratory animals, including dogs, cats and non-human primates, and also pigs and small ruminants with particular emphasis on sheep.

The position will offer an excellent opportunity to study the management

and diseases of small laboratory animals with an experienced laboratory animal veterinarian, and will provide a sound basis for those seeking to become board certified (ACLAM).

Candidates should have a license to practice veterinary medicine in the Province of Alberta. They should have several years of experience in mixed or small animal practice, with a strong ethical commitment to animal welfare. This is definitely a position for a self-starter and a good team person since the total program is in a dynamic phase of expansion and development, both technologically and in the ethics of the care and use of laboratory animals.

Deadline for applications: 30 April 1987.

Interested veterinarians should send a letter of application and *curriculum vitae* to: Dr. David H. Neil, Director, Health Sciences Lab Animal Services, B-111 Medical Sciences Building, University of Alberta, Edmonton, Alberta T6G 2H7.

Research Coordinator, Department of Family Medicine, Faculty of Medicine

The Department of Family Medicine is looking for a suitably qualified person for the position of Research Coordinator, to commence duties on 1 June 1987.

The successful candidate will be required to perform literature searches, assist in developing grant proposals, coordinate research studies, implement and supervise the day-to-day running of projects, assist in the collation of data and the preparation of manuscripts for publication, and act as liaison with other University departments, and granting agencies.

The applicant should have a knowledge of statistics, and some experience in epidemiological and applied clinical research and in the design of research projects, and should hold an MSc in Health Services Administration or its equivalent. As frequent contact is necessary with all members of the Department and support staff, the successful candidate must be able to establish and maintain good working relationships.

Salary range: \$25,792 to \$37,432 per annum (currently under review).

Application deadline: 1 April 1987.

Please forward application, *curriculum vitae*, and names and addresses of three references to: Dr. G.L. Higgins, Chairman, Department of Family Medicine, University of Alberta, c/o Family Clinic, Royal Alexandra Hospitals, 10240 Kingsway, Edmonton, Alberta T5H 3V9. Telephone: (403) 477-4218.

Professor/Associate Professor, Department of Secondary Education, Summer Session 1987, ED. C.I. 696

The Department of Secondary Education is inviting applications for the position of professor or associate professor with doctoral degree for Summer Session 1987, 6 to 31 July 1987. Successful teaching experience in doctoral level curriculum studies aimed at analysis of curriculum theories based on theories of reading, gender theory, psychoanalytic theory and deconstructionism is required.

Duties: Provide instruction in advanced level graduate seminar, Ed. C.I. 696 Secondary Education: Curriculum Theory and Literary Studies.

Salary: Summer Session stipend at Professor (\$5,352) or Associate Professor (\$5,152) level.

Closing date for accepting applications is 31 March 1987. Applications accompanied by *curriculum vitae* and

relevant scholarly papers should be sent to Dr. K.G. Jacknicke, Chairman, Department of Secondary Education, University of Alberta, Edmonton, Alberta T6G 2G5.

Support Staff

To obtain further information on the following positions, please contact Personnel Services and Staff Relations, 2-40 Assiniboia Hall, telephone 432-5201. Due to publication lead time and the fact that positions are filled on an on-going basis, these vacancies cannot be guaranteed beyond 6 February 1987. For a more up-to-date listing, please consult the weekly Employment Opportunities Bulletin and/or the postings in PSSR.

Departmental/Executive Secretary, Office of the Vice-President (Academic), (\$1,716-\$2,208)
Biochemistry Technician I/Biochemistry Technologist I (Trust) (Term to July 1987), McEachern Laboratory (Cancer Research Group), (\$1,580-\$2,510)
Technician I (Trust/Term), Foods and Nutrition, (\$1,580-\$2,027)
Technician II (Split funded), Oral Biology, (\$1,791-\$2,304)

For vacant Library positions, please contact the Library Personnel Office, Basement, Cameron Library, 432-3339.

Advertisements

Accommodations available

Rent - Home, acreage near Stony Plain, lease one year, June 1987-May 1988. Three bedrooms, fireplace, family room, furnished, double attached garage. Near lake. \$600/month. utilities. Damage deposit. 963-5663.
Sale - Excellent family, four-bedroom home. Sparkling hardwood floors. Close community rink, tennis. Sunny south yard. Easy access University. \$79,000. Call Joyce Byrne, 435-6064, 436-5250. Spencer Realty.
Sale - Just listed, Lendrum. Open beam. Spotless. Two bedrooms up, two down. Excellent location. Deck. \$84,500. Call Joyce Byrne, 435-6064, 436-5250. Spencer Realty.
For sale - By owner. Stratford Square condo. West end. Three-bedroom, end unit. Fully developed basement. \$48,000. 487-5007.
For rent - New 2,800 sq. ft. home. Riverbend. Four bedrooms, fifteen minutes from campus. Furnished or unfurnished, one year from 1 August. References. 430-6196.
Rent - Riverbend. Immaculate, furnished, split-level home. One-year lease, 1 July possession. \$1,300/month. Western Relocation, 438-1044.
Rent - Glenora. Gracious, 2 1/2 storey, 3,000'. Outdoor pool, tastefully restored throughout. \$2,500/month. 1 April possession. Western Relocation, 438-1044.
Rent - Two-bedroom condominium. 178 St. 79 Ave. \$495/month. 1 March. Western Relocation, 438-1044.
Rent - Devon, Alberta. Cozy, three-bedroom house. Fenced yard. \$495/month. Western Relocation, 438-1044.
Rent - Millwoods. Four-bedroom house. Double garage. Available 1 April 1987. \$700/month, damage deposit. 454-7218.
Rent - Three bedrooms, 1 1/2 baths main floor. Two-bedroom, basement suite, full bath, kitchen, for subletting. Suitable for visiting professors. 426-2761.

Rent - Fully furnished, one-bedroom apartment. Next to University. April-June/early July 1987. \$457. Phone 439-0973 evenings.

Sale - Aspen Gardens. Immaculate, upgraded, five-bedroom bungalow. Three baths, professionally finished basement, beautiful yard, newly fenced. Double plus garage. Bus service direct University, downtown. 437-5401.

Sale - Bright, two-storey, Hampton Village townhouse. Two bedrooms, den, basement, rumpus and utility rooms. Vacuum system, heated parking. Walk to University. \$122,500, owner. 433-8768.

Sale - Lansdowne. Backs on University Farm. Ace Lange, four-bedroom, two storey. Main floor family room. Lovely trees. Ask for Pat von Borstel, 437-6540, 436-5250. Spencer Realty.

Sale - Wide selection, mint-condition townhouses. 7 1/4 percent mortgages. New appliances. South side, west end locations. Price \$45,000-\$60,000. Call Florence or Richard, Spencer Real Estate. 436-5250, 434-0555.

Sale - New listings of two-storey homes in Aspen, Westbrooke, Lansdowne. Excellent, quiet locations. Starting at \$124,000. Call Liz Crockford, Spencer Real Estate, 436-5250, 434-0555.

Open House - 12408 51A Ave. Lansdowne. Five-bedroom, two-storey home featuring French doors, bay windows, newer broadloom, old brick fireplace. Super location. Meet Liz Crockford 15 February, 2-4 p.m. Spencer Realty.

Goods for sale

Cash paid for appliances, 432-0272. Macintosh computers, accessories and software at the right price. Mouse pads, carrying cases, surge suppressors, diskettes, etc. CCD Computer Systems Ltd.—your Apple dealer. Call John Chalmers, MEd, at 451-2801.

Books bought and sold - The Edmonton Book Store in the HUB Mall will pay cash for book collections and individual, rare items. Appraisals available. Open seven days a week. 433-1781.

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Editing, research and writing services by MA (English), BCom. Manuscripts, reports, dissertations, correspondence. 434-8975.

City Secretarial Service, 432-0138. Theses (word processed): \$18/hour. Electronic scanning: \$3/page. Typing (double space/10 pitch): \$1.75/page.

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Africa! Adventure travellers required for west African Land Rover expedition.

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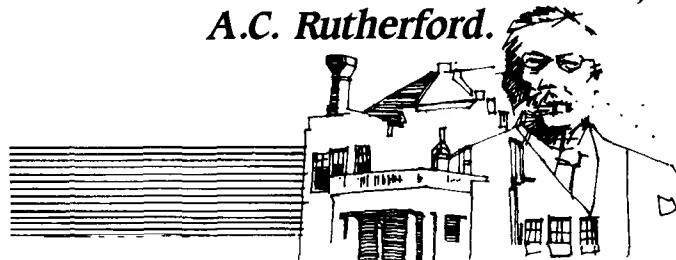
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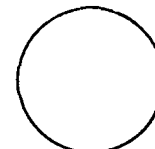
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